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| HANOVER-HORTON HIGH SCHOOL |
| 2014-2015 Curriculum Guide |
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| The purpose of this curriculum guide is to inform both student and parent of the programs of study available at Hanover-Horton High School. It also contains information concerning:Graduation requirementsStandardized testing schedulesAcademic preparation for potential college athletic eligibilityCourse descriptionsThe Educational Development Plan (EDP) processCareer exploration opportunitiesJackson Area Career CenterAs we begin our new semester schedule, we hope to continue offering our students the best educational opportunity in Jackson County. Students of Hanover-Horton High School are able to take a wide variety of courses from all areas of academic study. Our course offerings will continue to change as new curriculum is developed based on student interest and student need. Please review this guide and use it to assist in your planning. As you plan for your future coursework, make sure to keep in mind your long-term ambitions and goals. If you have any questions about any of the information within this handbook, please feel free to contact the school. We will be happy to assist you. |

# **VISION & MISSION OF THE SCHOOL**

It is the vision of the Hanover-Horton Schools to maintain an exemplary learning environment, empowering our students to be successful in a global society.Moral character and academic achievement will be attained through strong leadership and quality instruction, enabling all students to reach their maximum potential in our safe and caring schools.

It is the mission of the Hanover-Horton Schools educational community to educate and instill in our students knowledge, self-worth, respect, responsibility and the desire to succeed throughout their lives so that we create a better world one student at a time. Through our combined efforts, we expect students to demonstrate the following adult roles upon graduation:

* To be an effective communicator
* To be a problem solver
* To be an educationally and technologically literate person
* To be a responsible citizen
* To be a healthy and fit person

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# Graduation Requirements

Requirements for a high school diploma are established by the Michigan Merit Curriculum and the Hanover-Horton Board of Education. Graduates in 2015 will need 30 credits because of the switch to a “semester” schedule in the 2013 – 2014 school year. Below is the number of credits necessary to graduate. Beginning with the Class of 2017, students will need to earn 26 credits.

Class of 2016 = 28

Class of 2017 = 26

Class of 2018 = 26

Class of 2019 = 26

These requirements are based on a student earning ½ credit per course per semester. Transfer students have individualized graduation credit requirements based on the credits available to them over the course of their four years in high school.

Required classes for a diploma for all grade levels include the following.

|  |  |  |
| --- | --- | --- |
| **Department/Class** | **Required****Credits** | **Required Classes** |
| English | 4.5 | English 1\*, English 2, English 3, 4th English credit |
| Math | 4/4.5\* | Algebra/Algebra C&S\*, Geometry, Algebra 2, senior year Math |
| Science | 3 | Physical Science, Biology, Chemistry or Physics |
| Social Studies | 3.5 | Later American Studies\*, World Studies, Government, Economics |
| Health | .5 | Health |
| Physical Education | .5 | Personal Fitness or Weight Training |
| Visual, Performing or Applied Arts | 1 | Band, Jazz Band, Theatre, Choir, Art, Career Center Embedded |
| *World Language* | *2* | *Class of 2016 and future classes* |
| 20 hour on-line learning experience |  | Can occur in various classes |
| Senior Transitions (portfolio and exit interview) |  | Completion of the portfolio and exit interview are required |
| Total Credits | 28 | Class of 2016 |

\*Denotes a three term class. All terms must be passed to satisfy the course requirements.

Students may earn credit through approved coursework in our regular programs, summer school classes, on-line classes, dual enrollment, and/or the Jackson Area Career Center. During the senior year students may earn credit through an approved adult education program. Letter grades from these sources are calculated into the student’s grade point average. Pass/Fail grades from any of these sources are not calculated into the student’s grade point average. Further information on these requirements can be obtained through the counseling center.

Michigan Career Pathways

Arts and Communication Pathway:

Careers and programs of study related to the humanities and to the performing, visual, literary, and media arts. These may include creative or technical writing, illustrating, graphic designing, publishing, theater arts, journalism, education, languages, radio and television broadcasting, photography, advertising and public relations. Electives appropriate for this career pathway include… writing classes (21st Century Communication, creative writing), languages (Spanish, French), visual / performing / applied arts classes (Band, Art, Theatre), electives in the social studies (Psychology, Sociology), and Speech.\*

Business Management, Marketing, and Technology Career Pathway:

Careers and programs of study related to all aspects of business, including accounting, business administration, finance, information processing, and marketing. These may include entrepreneurship, sales, marketing, hospitality and tourism, computer/information systems, finance, accounting, office administration, personnel, and management. Electives appropriate for this career pathway include… writing classes (21st Century Communication, Creative Writing), languages (Spanish, French), Business and technology (computer) classes (ABS, Design Tech, Business Management, Business Law, Accounting), math classes (Trig, Statistics, Pre Calculus, Calculus, Honors Math), engineering and science classes (IED, POE, Physics), and social studies electives (Sociology, Psychology, Current Issues).\*

Engineering/Manufacturing and Industrial Technology Career Pathway:

Programs of study related to the technologies necessary to design, develop, install, or maintain physical systems. These may include occupations in designing, engineering and science, services technicians, manufacturing technology, transportation and construction. Electives appropriate for this career pathway include… writing classes (21st Century Communication, Creative Writing), languages (Spanish, French), Business and technology (computer) classes (ABS, Design Tech, Business Management, Business Law, Accounting), math classes (Trig, Statistics, Pre Calculus, Calculus, Honors Math), engineering and science classes (IED, POE, Physics), and social studies electives (Sociology, Psychology, Current Issues).\*

Health Sciences Career Pathway:

Careers and programs of study related to the promotion of health as well as the treatment of injuries, conditions, and disease. These may include medicine, dentistry, nursing, therapy and rehabilitation, nutrition, fitness and hygiene, public health, and veterinary science. Electives appropriate for this career pathway include… writing classes (21st Century Communication, Creative Writing), languages (Spanish, French), Business and technology (computer) classes (ABS, Design Tech, Business Management), math classes (Statistics), science classes (Anatomy, Microbiology, Lab Science, Chemistry 2), social studies electives (Sociology, Psychology, Current Issues) and Health / Physical Education electives (Body Systems, Sports Training, Exercise and Nutrition).\*

Human Services Career Pathway:

Careers and programs of study related to economic, political, social systems, child care, civil service, education, hospitality, and the social services. These may include law and legal studies, law enforcement, public administration, child and family services, and social services. Electives appropriate for this career pathway include… writing classes (21st Century Communication, Creative Writing), languages (Spanish, French), Business and technology (computer) classes (ABS, Design Tech, Business Management, Business Law), math classes (Statistics, Pre Calculus), science classes (Anatomy, Microbiology, Lab Science), social studies electives (Sociology, Psychology, Current Issues), Health / Physical Education electives (Body Systems, Exercise and Nutrition), Performance / Visual / Applied Arts classes (Art, Band, Choir, Theatre).\*

Natural Resources and Agriscience Career Pathway:

Careers and programs of study related to natural sciences, agriculture, and the environment. These may include agriculture, earth sciences, environmental sciences, fisheries management, forestry, horticulture, wildlife management, and many agribusiness/agri-industry occupations. Electives appropriate for this career pathway include… writing classes (21st Century Communication, Creative Writing), languages (Spanish, French), Business and technology (computer) classes (ABS, Design Tech, Business Management, Business Law, Accounting), math classes (Trig, Statistics, Pre Calculus), engineering and science classes (IED, POE, Physics, anatomy, Environmental Science, Microbiology, Geology), and social studies electives (Sociology, Psychology, Current Issues).\*

*\*Note: It is important to note that the Career Center has a multitude of programs, which we cannot afford to provide, that fit all of these career paths. They should be strongly considered. Also, some core class credits can be earned at the Career Center through the embedded format.*

Sample Class Schedules

Grade 9 Required Classes: English 1 1 credit

 LAS 1 credit

 Physical Science 1 credit

 Algebra C&S/Algebra/Advanced Algebra 1 credit

 Foreign Language 1 credit

 Other elective choices to total 7 credits 2 credits

 Freshman Electives: Spanish 1 Pre Algebra Personal Fitness

 International Travel Theatre

Weight Training ABS Body Systems

Art 1 Transitions Health

Band Lab Science Jazz Band

Choir Drawing Art 3D

Show Choir Introduction to Engineering and Design-(IED)

* Note: While selecting electives, keep in mind that there are some “non-core” classes that are required and that they will have to be scheduled at some point in the student’s high school career. These classes include Health, physical education, and Visual / Performing / Applied Arts classes. It may be wise to take some of these requirements out as electives in the freshman year. All classes are .5 credits per term.

Sample Schedule (Grade 9):

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Semester 1 | Hour | Class | Semester 2 | Hour | Class |
|  | 1 | English 1A |  | 1 | English 1B |
|  | 2 | Physical Science A |  | 2 | Physical Science B |
|  | 3 | ABS |  | 3 | Health |
|  | 4 | Band |  | 4 | Band |
|  | 5 | Algebra A |  | 5 | Algebra B |
|  | 6 | LAS A |  | 6 | LAS B |
|  | 7 | Spanish 1A |  | 7 | Spanish 1B |

Grade 10 Required Classes: English 2 1 credit

 World Studies 1 credit

 Biology 1 credit

 Geometry or Advanced Algebra 1 credit

 Foreign Language 1 credit

 Other elective choices to equal 7 credits 2 credits

Sophomore Electives:

|  |  |  |  |
| --- | --- | --- | --- |
| English | Creative Writing | Film Study | Historical Fiction |
|  | Journalism | Mythology/Folklore | One v. Society |
|  |   | Speech | 21st Century Communication |
| World Languages |  |  | Spanish 1 |
|  |  | Spanish 2 | International Travel |
| Business/Technology | Accounting | ABS | Business Management |
|  |  | Design Technology A (Web) | Design Technology B (CAD) |
| Math | Pre-Calculus | Advanced Algebra | Geometry |
| Science | Astronomy | Geology | Chemistry |
|  | Intro / Engineering and Design | Lab Science | Principles of Engineering |
| Social Studies | Current Issues |  |  |
|  | Transitions |  |  |
| Fine Arts | Art 1  | Art 2 | Band |
|  | Choir | Jazz Band | Theatre |
|  | Drawing | Art 3D | Show Choir |
| Health and PE | Adv’d Weight Training | Body Systems | Health |
|  | Personal Fitness | Sports Training | Weight Training |

**Grade 11 Required Classes:** English 3 1 credit

 Government/Econ 1 credit

 Chemistry or Physics 1 credit

 Geometry or Advanced Algebra 1 credit

 Other elective choices to equal 7 credits\* 3 credits

Note: Career Center students will fill hours 5, 6 and 7 in all semesters at the Career Center. This option will limit their elective selections. However, keep in mind some core class credits can be earned at the Career Center during the senior year through the embedded format.

Note: Honors English is a two semester class and may be substituted for English 3.

Junior Electives:

|  |  |  |  |
| --- | --- | --- | --- |
| English | Creative Writing | Film Study | Historical Fiction |
|  | English 3 | Journalism | Mythology/Folklore |
|  | One v. Society | Speech | 21st Century Communication |
| World Languages |  |  |  |
|  | Spanish 1 | Spanish 2 | Spanish 3/4 |
|  |  | International Travel |  |
| Business/Technology | Accounting | ABS | Business Management |
|  | Business Law | Design Technology A (Web) | Design Technology B (CAD) |
|  |  | Marketing |  |
| Math | Pre-Calculus | AP Calculus |  |
| Science | Anatomy | Astronomy | Environmental Science |
|  | Geology | Chemistry | Intro / Engineering and Design |
|  | Lab Science |  | Micro Biology |
|  |  | Principles of Engineering |  |
| Social Studies | Pop Culture in the 20th Century | Current Issues | Sociology |
|  | Psychology | Transitions | On-Line Studies |
| Fine Arts | Art 1  | Art 2 | Show Choir |
|  | Band | Choir | Jazz Band |
|  | Drawing | Theatre | Art 3D |
| Health and PE | Adv’d Weight Training | Body Systems | Health |
|  | Personal Fitness | Sports Training | Weight Training |
| Other Electives | Career Center classes | JCC classes |  |

Grade 12 Required Classes: 4th English Credit 1 credit (May be any two English electives totaling 1 credit)

 Final Year Math 1 credit (May be any two math classes totaling 1 credit)

 Senior Transitions (Must have portfolio approved and pass exit interview)

 Other elective choices to equal 7 credits

Note: Through elective choices over the four years in high school, the student must have completed required credits in health, physical education, and Visual / Performing / or Applied Arts.

Senior Electives:

|  |  |  |  |
| --- | --- | --- | --- |
| English | Creative Writing | Film Study | Historical Fiction |
|  | Honors English | Journalism | Mythology/Folklore |
|  | One v. Society | Speech | 21st Century Communication |
| World Languages |  |  |  |
|  | Spanish 1 | Spanish 2 | Spanish 3/4 |
|  |  | International Travel |  |
| Business/Technology | Accounting | ABS | Business Management |
|  | Business Law | Design Technology A (Web) | Design Technology B (CAD) |
|  |  | Marketing |  |
| Math | ACT Prep | AP Calculus | Consumer Math |
|  | Pre-Calculus | Intro to Engineering and Design |  |
| Science | Anatomy | Astronomy | Environmental Science |
|  | Geology | Chemistry | Intro / Engineering and Design |
|  | Lab Science |  | Microbiology |
|  |  | Physics | Principles of Engineering |
| Social Studies | Current Issues | Pop Culture in the 20th Century | Psychology |
|  | Sociology | Transitions | On-Line Studies |
| Fine Arts | Art 1  | Art 2 | Art 3D |
|  | Band | Choir | Jazz Band |
|  | Drawing | Theatre | Show Choir |
| Health and PE | Adv’d Weight Training | Body Systems | Health |
|  | Personal Fitness | Sports Training | Weight Training |
| Other Electives | Career Center classes | JCC classes |  |

Educational Development Plan (EDP) and Testing Schedule

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Grade | **Test** | **Scheduled** | **Description** | **Reported** |
| **7** | EDP | Done in Class | Educational Development Plan – Career interest inventory and Development of academic and career path | Can be accessed at home and library on internet |
| **8** | EDP –Updated | Spring |  | Meeting with parents in 8th grade year -  |
|  | PSAT Test | Spring | Pre SAT test – interest inventory, analysis of academic weakness, academic planning, post-secondaryplanning, and predicted SAT score | Results sent to parents by mail - Results interpreted to student in small group meetings. Results are used in 9th grade scheduling. |
|  | Career Exploration |  | Students research various career interests and write an essay about their findings |  |
| **9** | EDP - Updated |  |  |  |
|  |  |  |  |  |
| **10** | EDP Updated |  |  |  |
|  | PSAT Test | Fall | Pre SAT test – interest inventory, analysis of academic weakness, academic planning, post secondaryplanning, and predicted SAT score | Results sent to parents with memo – results discussed in class with students - booklet used. Results used for Dual Enrollment placement. |
|  | Career Center Assessment | As Scheduled | Assessment for placement within Career Center programs |  |
|  |  |  |  |  |
| **11** | EDP Updated |  |  |  |
|  | M STEP |  | State standardized test | Results sent to parents by mail – Results explained to students by counselor |
|  | SAT | Included in the MME | College Board – A primary test for college entrance requirements | Reported to students directly from SAT |
|  | PSAT | Fall/Optional | Pre-qualification for National Merit Organization’s competition | Reported to students when results are received |
|  |  |  |  |  |
|  | Work keys -\*Reading\*Math\*Information | Included in the MME | A basic skills test which assesses career readiness |  |
| **12** | EDP updated |  | Senior page and follow up procedures are completed |  |
|  | Portfolio / Exit interview | Required -Graduation | Personally developed portfolio displaying academic and employability skills – Culminates in exit interview | Reported to student at interview |

**Checklist to Countdown in Planning for College:**

It is never too late or early to start planning for your future after high school. This timeline can help you keep up with the dates and deadlines to plan from:

**9th Grade Fall:**

* Extra Curricular Activities in or outside of school through volunteer work or clubs are important. (Keep a list) Develop leadership skills. Involvement may lead to scholarships and/or summer jobs. But don't overdo it! Your grades are very important!
* Focus on good time management and study habits.
* Begin to explore careers and talk to people in jobs that interest you. What education do those jobs require? The counseling center and library are good places to start.
* Discuss with your parents **NOW** about college costs. You can help too by starting to save. It's not too early to investigate information.

Ninth graders have the opportunity to take part in PSAT Program. **PSAT** is the 9th grade test that gives students a forecast of how they might perform on the SAT Assessment.

\* PSAT scores are used to determine eligibility for dual enrollment purposes.

**10th Grade Fall:**

* Focus on maintaining the best grades you can through the year.
* Be prepared for the PSAT through online practice testing with Khan Academy.

Tenth graders have the opportunity to take part in the PSAT. **PSAT** is the 10th grade test that gives students a forecast of how they might do on the SAT Assessment. The SAT Assessment is taken in the junior or senior year and is used for college admission and placement. In addition to gauging academic achievement, PSAT provides extensive information for educational and career planning. It is a helpful experience for all students whether or not they have decided to go to college. Each participating student receives a report that:

* identifies academic strengths & weaknesses
* helps students explore career interests
* helps focus on career goals and the preparation needed to achieve them

\*PSAT scores are used to determine eligibility for dual enrollment purposes.

**10th Grade Winter:**

* Review your four year plan & Educational Development Plan (EDP) with your counselor while making your schedule for next year.
* Make a list of potential schools to visit this summer & contact them for a tour.
* Speak with your counselor about your plans after high school and your EDP.

**11th Grade Fall:**

* Take the PSAT Test 3rd week in October. PSAT is another opportunity to earn qualifying scores for dual enrollment and for Pre-Qualifying for the National Merit Competition.
* Update your Educational Development Plan in the Career Center or at home through CareerCruising.com. (you may get your user name and password from counselors or English teachers)
* Volunteer to help in community service agencies and continue to participate in extra-curricular activities in and outside of school.
* Prepare for M STEP and SAT test through online practice testing through Khan Academy.
* **11th Grade Spring:**
* Register for M STEP/SAT spring testing which colleges use for admissions and placement. Registration will take place during a class period.
* Students will take the M STEP test, which includes the SAT, in April.
* These scores will also be a part of your permanent school transcript and used to determine dual enrollment opportunities.
* Remember to review with your counselor the courses you will need to take to meet the graduation requirements for your diploma.
* Make sure you visit the colleges you want to apply for admissions to avoid spending money on application fees that you do not need. The summer before your senior year is a good time to visit your top three college choices.
* Write an essay that speaks to your strengths and weakness, goals and aspirations for the numerous scholarship and application essays that will ask the same question of you.
* Check to see if you can dual enroll for your senior year and begin receiving college credit through shared time programs at local post-secondary institutions.

**12th Grade Fall:**

* Don't get ***"Senioritis!"*** Your senior courses and grades do make a difference!
* Retake the SAT if you were not satisfied with your scores.
* Sign up in the Counseling Office to speak with College Admissions Reps about requirements for admission to their institution.
* Update your Educational Development Plan in Senior Transitions through CareerCruising.com.
* Turn in college admissions applications before Thanksgiving. You may apply to colleges before taking the ACT/SAT tests. Make sure your allow 48 hours before the deadline to allow your counselors to fill in the counselor section of the application which typically includes: GPA, rank in class, MME scores & ACT/SAT scores.
* Applying to colleges is not deciding! It provides the student with more options. The way your senior feels in September/October, may not be the same way your senior will feel in May/August.
* Begin searching and applying for scholarships.

Scholarship websites include:

 **Fastweb.com** - free search, over 600,000 scholarships.

 **Scholarships.com** - includes information on scams and other scholarship-

related topics.

 **Supercollege.com** - College and scholarship related articles and links.

**12th Grade Winter:**

* Attend the **Financial Aid Workshop** for Parents and Students in January in the school library.
* Submit the FAFSA Financial Aid Form online or by mail for potential financial aid through scholarships and grants by March 1.
* Notify the school you choose to attend by May 1st that you will be coming and notify the rest that you are declining their offer but thank you.
* Make a point of checking the scholarship box in the Counseling Office weekly for new scholarships.

**12th Grade Spring:**

* Be sure to submit your housing forms, fees and orientation requests to the college so you do not miss any deadlines.

**Look like a great deal of Work?** 

* It's not really. Just take one step at a time. If you have already missed some steps, don't panic.

See your counselor for alternatives.

NCAA DIVISION I & II

**ELIGIBILITY STANDARDS**

SEE THEIR WEBSITE ([www.eligibilitycenter.org](http://www.eligibilitycenter.org)) FOR THE MOST UP-TO-DATE INFORMATION!

**Hanover-Horton High School List of Approved Core Courses (Form 48H)**

**As of April 2015—see NCAA website for more information**

**English:** Creative Writing Advanced Journalism

 English 1 Historical Fiction (English)

 English 2 Journalism

 English 3 Mythology/Folklore

 English 4 21st Century Communication

Social Science:

 Government/Economics Major Wars

 Historical Fiction (Soc. St.) Psychology

 Sociology Later American Studies

 World Studies Current Issues and World History

 Adv. Psychology Psychology II

**Mathematics**: Advanced Algebra Algebra

 Algebra: Concepts and Skills Calculus

 Geometry Geometry: Concepts and Skills

 Honors Math Pre-Calculus

 Trigonometry Probability & Statistics

 Algebra A and B Integrated Math I and II

**Science:** Anatomy Astronomy

 Biology Environmental Science

 Chemistry Chemistry 2

 Physics Physical Science

 Microbiology Geology

Foreign Language:

 French 1 Spanish 1

 French 2 Spanish 2

 French 3 Spanish 3

 French 4 Spanish 4

**Courses for which we are currently seeking approval:**

Introduction to Engineering and Design Principles of Engineering

Courses that DO NOT currently have NCAA approval:

 Film Study Computer Aided Drafting

 Accounting Computers 1 and 2

 Business Law Health

Business Management Applied Math

Consumer Math Citizenship & Responsibility

Chemistry Concepts Child Development

Any other not listed above

*Online providers work directly with the NCAA in order for their classes to be approved. Prior to taking any online classes, please check with either a counselor or the Athletic Director.*

**Course Descriptions**

**Business/Technology**

**44025010**  **Applied Business Systems**

Applied Business Systems is taught in an online format. The objective of the course is to give the students an experience in online learning format. When the students have completed the course, they will have improved their technical writing skills, used a variety of software to complete business-like projects, including business letters, spreadsheets, reports, brochures, and presentations. These will be accomplished through the use of Microsoft Office. The students will also be looking at careers and their future goals through different experiences. (Elective- fulfills online requirement)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**44000010A**  **Accounting 1A**

The Accounting I class focuses on the accounting cycle and basic accounting principles. Emphasis is placed on various factors that impact the financial standing of a company until they are eventually compiled into the income statement and balance sheet. Upon completion of manual accounting procedures, students will be able to apply the concepts to an automated accounting system. The objective of the class is to expose the student to the concepts of business including profit/loss, accounting procedures, financial statements, and the potential of a career in the accounting field. (Elective)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**44000010B**  **Accounting 1B**

The Accounting I class focuses on the accounting cycle and basic accounting principles. Emphasis is placed on various factors that impact the financial standing of a company until they are eventually compiled into the income statement and balance sheet. Upon completion of manual accounting procedures, students will be able to apply the concepts to an automated accounting system. The objective of the class is to expose the student to the concepts of business including profit/loss, accounting procedures, financial statements, and the potential of a career in the accounting field. (Elective)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**PREREQUISITES:** If you take this course, you must also take 44000010A - Accounting 1A

**44010010A**  **Business Management A**

Business Systems and Skills introduce basic business concepts through the use of simulated business activities through the school store and other various hands-on projects. This class will emphasize the various functions that are essential to a successful business, including product development, marketing, production management, and finance. The class will also incorporate basic business skills in areas of communication, management, leadership, and use of technology. Students will develop good work habits. Emphasis will be placed on the manner in which these skills fit into the various activities of a successful business from marketing and product development through production and financial accounting. (Elective)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**44010010B**  **Business Management B**

Business Systems and Skills introduce basic business concepts through the use of simulated business activities through the school store and other various hands-on projects. This class will emphasize the various functions that are essential to a successful business, including product development, marketing, production management, and finance. The class will also incorporate basic business skills in areas of communication, management, leadership, and use of technology. Students will develop good work habits. Emphasis will be placed on the manner in which these skills fit into the various activities of a successful business from marketing and product development through production and financial accounting. (Elective)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**PREREQUISITES:** If you take this course, you must also take 44010010A - Business Management A

**46005213A**  **Design Technology A**

Design Technology is a combination of Web design and Computer Aided Drafting. The Web Design is a hands-on introduction to designing web pages using Macromedia products. The products include "Dream Weaver," "Fireworks," and "Flash," and use of other website options. This portion of the class is for students interested in designing web pages. Activities include laying out the web pages, including links, pictures and content, exercises in each product and problem solving projects.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**PREREQUISITE:** Basic Computer Skills

**COREQUISITES:** If you take this course, you must also take 46005213B - Design Technology B

**46005213B**  **Design Technology B**

The course is also appropriate for advanced technology students having an interest in engineering, manufacturing, or design as careers. The course uses "Chief Architect," "Pro Desktop," and other technology design software to help new users explore and develop skills in sketching, conventional drafting, 2D drawing, 3D wire-frame modeling, 3D solid modeling, and machining of products. Content includes computer animation, image processing, desk top publishing, web page design, and problem solving. Activities are divided into a series of drawings, exercises, and design/problem solving projects.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**COREQUISITES:** If you take this course, you must also take 46005213A - Design Technology A

**44012010**  **Business Law**

Business Law focuses on greater awareness of and responsibility towards the law, particularly as it applies to business relationships. The class emphasizes the application of legal principles to the problems of the individual, business, and society. It covers the rights and liabilities of parties in everyday transactions and contacts made by minors, adults, and businesses. This course will cover information about the origin and development of law, how contracts are made, the law regarding contracts and property, negotiable instruments, the court system, civil and criminal law, and the law of business relationships and business organization. (Elective)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**PREREQUISITE:** 44010010B - Business Management B

**Fine Arts**

**43500010A**  **Art 1A**

Art 1 will develop an understanding of the basic elements of art. Students will learn basic techniques about drawing, painting, sculpture, color and design. From their experiences in this class, students should gain an awareness and sensitivity for visual surroundings, as well as appreciation and respect for art. (Elective)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**COREQUISITES:** If you take this course, you must also take 43500010B - Art 1B

**43500010B**  **Art 1B**

Art 1 will develop an understanding of the basic elements of art. Students will learn basic techniques about drawing, painting, sculpture, color and design. From their experiences in this class, students should gain an awareness and sensitivity for visual surroundings, as well as appreciation and respect for art. (Elective)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**PREREQUISITE:** 43500010A - Art 1A

**43505010A**  **Art 2A**

Students in Art 2 will further develop the skills of drawing, painting, sculpture, color, and design that were first learned in Art 1. They will study human form, as well as non human form. Three dimensional work with cord-board and clay will be explored. Still life and outdoor life will be encouraged, from the imagination and subconscious, through abstract and atmospheric type drawing. Students will also learn detailed illustrations/instructions on how to create brush paintings using a variety of subjects. The student will develop different pencil skills and methods of drawing covering every aspect of this medium. A variety of examples and techniques will be explored to give a comprehensive and innovative approach to understanding art and its place in the student's world. (Elective)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**PREREQUISITE:** 43500010B - Art 1B

**COREQUISITES:** If you take this course, you must also take 43505010B - Art 2B

**43505010B**  **Art 2B**

Students in Art 2 will further develop the skills of drawing, painting, sculpture, color, and design that were first learned in Art 1. They will study human form, as well as non human form. Three dimensional work with cord-board and clay will be explored. Still life and outdoor life will be encouraged, from the imagination and subconscious, through abstract and atmospheric type drawing. Students will also learn detailed illustrations/instructions on how to create brush paintings using a variety of subjects. The student will develop different pencil skills and methods of drawing covering every aspect of this medium. A variety of examples and techniques will be explored to give a comprehensive and innovative approach to understanding art and its place in the student's world. (Elective)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**PREREQUISITES:** 43505010A - Art 2A

**43505012**  **Art in 3D**

In this class students will work to create a portfolio or collection of 3-D sculptures involving the additive, subtractive and assemblage processes. The various mediums can include: fiber, paper, cardboard, mache', wood, metal, wire, plaster, stone, clay, recyclables, and various found objects. Introduction to basic tools, processes and safety practices will be employed in the creation of sculptural ideas. Individual expression is encouraged. As will any art course, we will study the work of Master Sculptors and other artisans as a source of cultural understanding and inspiration. This course blends academic and technical understanding with creative development. Through this course, students will not only build confidence in their artistic ability, but build communication skills, heighten sensitivity to one's environment and increase aesthetic awareness. Creative activities will encourage critical thinking, decision-making and problem solving. Students will foster a respect for and appreciation of the arts, and incorporate it into their everyday lives. From maximum learning and growth to take place, students will need to welcome constructive criticism, be willing to work hard and be open to new experiences. Students are responsible for furnishing their own materials. Limit of 20 students per class. Successful completion of this course will earn .5 Fine Arts Credit.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**PREREQUISITES:** 43500010A - Art 1A and 43500010B - Art 1B

**43505013**  **Drawing**

This course is designed to further the development of drawing techniques. The student will develop different pencil skills and methods of drawing.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**PREREQUISITES:** 43500010A - Art 1A and 43500010B - Art 1B

**43520010A**  **Band A**

This course is designed to further the students' personal development of his/her playing ability and to be a contributing member of this group. Parades, contests, concerts, pep bands at football and basketball are an integral part of the year's activities. All students are required to attend all public performances.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**COREQUISITES:** If you take this course, you must also take 43520010B - Band B

**43520010B**  **Band B**

This course is designed to further the students' personal development of his/her playing ability and to be a contributing member of this group. Parades, contests, concerts, pep bands at football and basketball are an integral part of the year's activities. All students are required to attend all public performances.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**COREQUISITES:** If you take this course, you must also take 43520010A - Band A

**43525010A**  **Jazz Band A**

This course takes the knowledge gleaned from the High School Concert band and applies it to the only truly American art form. The students develop skills in improvising, as well as performing in various Jazz styles such as Swing, Latin, Fusion, and Pop. The students become proficient at performing both written and improvised music in the classroom and concert settings.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**COREQUISITES:** If you take this course, you must also take 43525010B - Jazz Band B

**43525010B**  **Jazz Band B**

This course takes the knowledge gleaned from the High School Concert band and applies it to the only truly American art form. The students develop skills in improvising, as well as performing in various Jazz styles such as Swing, Latin, Fusion, and Pop. The students become proficient at performing both written and improvised music in the classroom and concert settings.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**COREQUISITES:** If you take this course, you must also take 43525010A - Jazz Band A

**43530010A**  **Choir A**

A vocal music class that is open to any interested high school student. Emphasis is placed on developing proper singing technique, and improving music reading skills. All students are required to attend all public performances.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**COREQUISITES:** If you take this course, you must also take 43530010B - Choir B

**43530010B**  **Choir B**

A vocal music class that is open to any interested high school student. Emphasis is placed on developing proper singing technique, and improving music reading skills. All students are required to attend all public performances.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**COREQUISITES:** If you take this course, you must also take 43530010A - Choir A

**43530020A**  **Show Choir A**

Show choir is a vocal ensemble for select students. The music performed is of a greater difficulty than in regular choir. (It is to the vocal program what the Jazz Band is for the band program.) Admission into this class is by audition only. The Comet Jazz Singers will be comprised of students in this class. Unlike Jazz Band, students in the Show Choir do not necessarily have to participate in regular choir. (Although they most certainly would be welcome if they can fit it into their schedule!) Students are expected to be enrolled into the Show Choir for the entire school year. If a student cannot commit to the entire year then they should not enroll in the course.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**COREQUISITES:** If you take this course, you must also take 43530020B - Show Choir B

**43530020B**  **Show Choir B**

Show choir is a vocal ensemble for select students. The music performed is of a greater difficulty than in regular choir. (It is to the vocal program what the Jazz Band is for the band program.) Admission into this class is by audition only. The Comet Jazz Singers will be comprised of students in this class. Unlike Jazz Band, students in the Show Choir do not necessarily have to participate in regular choir. (Although they most certainly would be welcome if they can fit it into their schedule!) Students are expected to be enrolled into the Show Choir for the entire school year. If a student cannot commit to the entire year then they should not enroll in the course.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**COREQUISITES:** If you take this course, you must also take 43530020A - Show Choir A

**41060010A**  **Theatre A**

This course covers the basic elements of theater including history, stage presence (voice, movement, stage geography, and characterization) and technical aspects (production, lighting, stagecraft, costuming, and makeup). The student will also assist in producing the school play. The main focus of this course is public performance. (Elective)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**COREQUISITES:** If you take this course, you must also take 41060010B - Theatre B

**41060010B**  **Theatre B**

This course covers the basic elements of theater including history, stage presence (voice, movement, stage geography, and characterization) and technical aspects (production, lighting, stagecraft, costuming, and makeup). The student will also assist in producing the school play. The main focus of this course is public performance. (Elective)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**COREQUISITES:** If you take this course, you must also take 41060010A - Theatre A

**Language Arts**

**41000010A**  **English 1A (Literature, English)**

English 1 is designed to help freshmen build literary, reading, writing, vocabulary, and grammar skills. Students will read, analyze and discuss short stories, an epic poem, Shakespearean drama (*Romeo and Juliet*), a novel, and informational texts. To help them become more effective communicators, they will work on grammar usage and mechanics and will write several different types of essays. Students will review research techniques and then write a research paper.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9

**COREQUISITES:** If you take this course, you must also take 41000010B - English 1B (Literature, English)

**41000010B**  **English 1B (Literature, English)**

English 1 is designed to help freshmen build literary, reading, writing, vocabulary, and grammar skills. Students will read, analyze and discuss short stories, an epic poem, Shakespearean drama (*Romeo and Juliet*), a novel, and informational texts. To help them become more effective communicators, they will work on grammar usage and mechanics and will write several different types of essays. Students will review research techniques and then write a research paper.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9

**COREQUISITES:** If you take this course, you must also take 41000010A - English 1A (Literature, English)

**41005010A**  **English 2A (American Literature, English)**

This course will trace the development of the literary heritage of our country from colonial times to the 20th century including poetry, short stories, plays, non-fiction, informational text, and/or a novel. Required reading includes *The Crucible*. The course will include process writing and a required formal research paper, as well as review and instruction of grammar/language skills.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10

**COREQUISITES:** If you take this course, you must also take 41005010B - English 2B (American Literature, English)

**41005010B**  **English 2B (American Literature, English)**

This course will trace the development of the literary heritage of our country from colonial times to the 20th century including poetry, short stories, plays, non-fiction, informational text, and/or a novel. Required reading includes *The Crucible*. The course will include process writing and a required formal research paper, as well as review and instruction of grammar/language skills.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10

**COREQUISITES:** If you take this course, you must also take 41005010A - English 2A (American Literature, English)

**41020010A**  **Journalism A**

This course covers elements of news writing and studies aspects of newspapers, including features, editorials, headlines, layout, and editing. Students will publish the school newspaper *Skywriter*. \*\*\*Credit: .5 per semester Elective (4th year English requirement)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**41035000**  **Historical Fiction**

Historical Fiction will combine research and the study of historical periods with literature set in those time periods. Suggested literature includes the antebellum *Uncle Tom's Cabin*, pre-Civil War era’s *Huck Finn,* World War I's *All Quiet on the Western Front*, the Depression Era's *The Grapes of Wrath*, After the Depression, *Night*, and the 1950's *Raisin in the Sun*. Students will improve their writing skills by writing essays based on the novels. Elective (4th year English requirement)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**41051010**  **Creative Writing**

Can you think of fifteen ways to use a feather? Do you know similarities between a bowling ball and a shirt button? Are you the type of person to imagine if frogs could fly? If so, the creative part of this class could be the peanut butter to fill all of your chocolate. As to the writing - a variety: stories, poems, newspaper columns, historical fiction. The amount? A little to a lot. Models are studied as an introduction to a new writing technique. Elective (4th year English requirement)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**41075002**  **Mythology and Folklore**

Welcome to a strange and fascinating world where human forms turn into seagulls, lions, bears, and stars! Welcome to a time when the impossible seems common; when the moon, stars, the sun and the wind are all gods! Welcome to the world of mythology. This one semester class will study classical mythology of Greece and Rome, as well as that of other world cultures. Research projects and presentations will also be an integral part of this class. Elective (4th year English requirement). You're all familiar with Paul Bunyan and Pecos Bill, but do you know Billy Beg or the Three Sillies? This class will study the varied types of folktales from the "why" tale to the trickster tale, and everything in between. We won't just limit our study to tales or lore, however, but will also look at crafts, music, dance, and patterns of behavior of several different cultures whose traditions have been orally handed down from generation to generation. Research skills and the willingness to try your hand at "storytelling" are required for the class. Elective (4th year English requirement)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**41080000**  **Film Study**

Film study is a one semester course designed for students who desire an in-depth examination of the visual communication arts. The primary components of this course will include the history of film. Students will examine early films from the silent era and progress to contemporary film. These may include the works of Chaplin, Welles, and Hitchcock. Through the critical examination of film, students will develop a comparison/contrast essay and critical film reviews. They will produce a short film at the end of the course. Elective (4th year English requirement)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**41010010A**  **English 3A (British Literature, English)**

This course will trace the development of the literary heritage of England from its roots to the 20th century including poetry, short stories, plays, non-fiction, informational text, and a novel. The study of Shakespeare will continue from freshman year. Writing will include process writing and a required research paper.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11

**COREQUISITES:** If you take this course, you must also take 41010010B - English 3B (British Literature, English)

**41010010B**  **English 3B (British Literature, English)**

This course will trace the development of the literary heritage of England from its roots to the 20th century including poetry, short stories, plays, non-fiction, informational text, and a novel. The study of Shakespeare will continue from freshman year. Writing will include process writing and a required research paper.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11

**COREQUISITES:** If you take this course, you must also take 41010010A - English 3A (British Literature, English)

**41055030**  **One v. Society**

The 20th century saw many attempts by nations to create new types of governments and to increase the control these governments had over the lives of their citizens. This course examines the literature that came as a response to such practices, making it a reflection of the modern world as well as a prediction of what may come in the near future. Students will improve their writing skills by writing essays based on the novels. Elective (4th year English requirement)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**41026011A**  **AP English A (Literature, English)**

AP English gives students a learning experience equivalent to a typical undergrad "introduction to literature" class. Through close reading of literary texts, students will come to understand how writers use language to provide meaning and to answer the big questions in life. The course's pace, outline, literature selections, writing assignments, and assessments are based on the AP model. Students have the opportunity to take the AP exam for college credit at the end of the class at their own expense.

**CREDIT:** 0.5 **TYPE:** AP **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 41095001B - AP English B (Literature, English)

**41026011B**  **AP English B (Literature, English)**

AP English gives students a learning experience equivalent to a typical undergrad "introduction to literature" class. Through close reading of literary texts, students will come to understand how writers use language to provide meaning and to answer the big questions in life. The course's pace, outline, literature selections, writing assignments and assessments are based on the AP model. Students have the opportunity to take the AP exam for college credit at the end of the class at their own expense.

**CREDIT:** 0.5 **TYPE:** AP **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 41095001A - AP English A (Literature, English)

**41025111 21st Century Communication**

*Insert course description*

**CREDIT:** 0.5 **TYPE:** Regular **GRADES:** 10-12**Mathematics**

**45005010A**  **Algebra A**

The student will learn the basic algebraic concepts. The course covers matrices, probability, linear, quadratic and absolute functions, graphing, solving variable equalities and inequalities, problem solving, and factoring polynomials, and rational equations.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**COREQUISITES:** If you take this course, you must also take 45005010B - Algebra B

**45005010B**  **Algebra B**

The student will learn the basic algebraic concepts. The course covers matrices, probability, linear, quadratic and absolute functions, graphing, solving variable equalities and inequalities, problem solving, and factoring polynomials, and rational equations.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**COREQUISITES:** If you take this course, you must also take 45005010A - Algebra A

**45010010A**  **Advanced Algebra A**

This is a continuation of the Algebra 1 course. Emphasis is placed on deductive reasoning in Algebra. The course covers REAL number system, solution of linear equations, graphing, absolute value, inequalities, logarithmic and the exponential functions, and rational equations. This course is designed to give the mathematically inclined student an increased understanding of the nature of higher mathematics. This is a college preparatory course.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**PREREQUISITE:** 45005010A - Algebra A **or** 45005010B - Algebra B

**COREQUISITES:** If you take this course, you must also take 45010010B - Advanced Algebra B

**45010010B**  **Advanced Algebra B**

This is a continuation of the Algebra 1 course. Emphasis is placed on deductive reasoning in Algebra. The course covers REAL number system, solution of linear equations, graphing, absolute value, inequalities, logarithmic and the exponential functions, and rational equations. This course is designed to give the mathematically inclined student an increased understanding of the nature of higher mathematics. This is a college preparatory course.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**COREQUISITES:** If you take this course, you must also take 45010010A - Advanced Algebra A

**45010011A**  **Advanced Algebra C & S A**

A continuations of Algebra 1 Concepts & Skills; the student learns basic algebraic concepts but will do so at a slower pace. Emphasis is placed on deductive reasoning in Algebra. The course covers REAL number system, solution of linear equations, graphing, absolute value, inequalities, logarithmic and the exponential functions. This course is designed to give the mathematically inclined student an increased understanding of the nature of higher mathematics. This is a college preparatory course.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**COREQUISITES:** If you take this course, you must also take 45010011B - Advanced Algebra C & S B

**45010011B**  **Advanced Algebra C & S B**

A continuation of Algebra 1 Concepts & Skills; the student learns basic algebraic concepts, but will do so at a slower pace. Emphasis is placed on deductive reasoning in Algebra. The course covers REAL number system, solution of linear equations, graphing, absolute value, inequalities, logarithmic and the exponential functions. This course is designed to give the mathematically inclined student an increased understanding of the nature of higher mathematics. This is a college preparatory course.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**COREQUISITES:** If you take this course, you must also take 45010011A - Advanced Algebra C & S A

**45014910A**  **Algebra: Concepts & Skills A**

Like Algebra, the student learns basic algebraic concepts but will do so at a slower pace. Course topics for Algebra: Concepts and Skills include: - Equations (solving, quadratic equations, inequalities, and the quadratic formula) - Graphing (of linear equations, use of the slope intercept form, linear inequalities, and quadratic equations) - Writing of equations (use of the slope - intercept form, the point - slope form, standard form, perpendicular lines, and parallel lines) - Exponents and scientific notation - Polynomials (manipulating and factoring) - Radicals (square roots, simplification, and rationalizing the denominator) - Exponential functions (growth and decay rate) - Real numbers - Rational equations

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**COREQUISITES:** If you take this course, you must also take 45014910B - Algebra: Concepts & Skills B

**45014910B**  **Algebra: Concepts & Skills B**

Like Algebra, the student learns basic algebraic concepts but will do so at a slower pace. Course topics for Algebra: Concepts and Skills include: - Equations (solving, quadratic equations, inequalities, and the quadratic formula) - Graphing (of linear equations, use of the slope intercept form, linear inequalities, and quadratic equations) - Writing of equations (use of the slope - intercept form, the point - slope form, standard form, perpendicular lines, and parallel lines) - Exponents and scientific notation - Polynomials (manipulating and factoring) - Radicals (square roots, simplification, and rationalizing the denominator) - Exponential functions (growth and decay rate) - Real numbers

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**COREQUISITES:** If you take this course, you must also take 45014910A - Algebra: Concepts & Skills A

**45015010A**  **Geometry: Concepts and Skills A**

Like Geometry, this course will give students knowledge of the vocabulary of geometry. It covers many of the same concepts as geometry, but does so at a slower pace. The course will also introduce concepts of inductive and deductive reasoning and conditional and bi-conditional statements. It will also include beginning triangular trigonometry, as well as the unit circle, and basic trig graphs, as well as the law of sines and the law of cosines to solve triangles. Students will use rules of logic and their knowledge of algebra to solve problems related to types of geometric shapes. Segments of this course include… - Learning to recognize patterns and use inductive / deductive reasoning, - Conditional and bi-conditional statements, - Working with lines, angles, polygons, circles, and other forms of geometric shapes - in both plane and solid forms, and - The use of two-column proofs and algebra to solve geometric problems.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**PREREQUISITE:** Algebra or Algebra C&S

**COREQUISITES:** If you take this course, you must also take 45015010B - Geometry: Concepts and Skills B

**45015010B**  **Geometry: Concepts and Skills B**

Like Geometry, this course will give students knowledge of the vocabulary of geometry. It covers many of the same concepts as geometry, but does so at a slower pace. The course will also introduce concepts of inductive and deductive reasoning and conditional and bi-conditional statements. It will also include beginning triangular trigonometry, as well as the unit circle, and basic trig graphs, as well as the law of sines and the law of cosines to solve triangles. Students will use rules of logic and their knowledge of algebra to solve problems related to types of geometric shapes. Segments of this course include… - Learning to recognize patterns and use inductive / deductive reasoning, - Conditional and bi-conditional statements, - Working with lines, angles, polygons, circles, and other forms of geometric shapes - in both plane and solid forms, and - The use of two-column proofs and algebra to solve geometric problems

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**COREQUISITES:** If you take this course, you must also take 45015010A - Geometry: Concepts and Skills A

**45030010A**  **Geometry A**

This course will give students knowledge of the vocabulary of geometry. The course will also introduce the idea of deductively proving a fact to be true. Students will learn to think logically, clearly, and to apply the algebra already learned to solve problems about geometrical shapes. Plane and solid geometry are taught concurrently with a brief introduction to analytic geometry and the use of the coordinate axis. This course will also include beginning triangular trigonometry, as well as the unit circle, and basic trig graphs, as well as the law of sines and the law of cosines to solve triangles.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**PREREQUISITE:** Algebra and Adv. Algebra

**COREQUISITES:** If you take this course, you must also take 45030010B - Geometry B

**45030010B**  **Geometry B**

This course will give students knowledge of the vocabulary of geometry. The course will also introduce the idea of deductively proving a fact to be true. It will also include beginning triangular trigonometry, as well as the unit circle, and basic trig graphs, as well as the law of sines and the law of cosines to solve triangles. Students will learn to think logically, clearly and to apply the algebra already learned to solve problems about geometrical shapes. Plane and solid geometry are taught concurrently with a brief introduction to analytic geometry and the use of the coordinate axis.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**COREQUISITES:** If you take this course, you must also take 45030010A - Geometry A

**45050010A**  **Pre-Calculus A**

This course will include an in-depth study of functions: linear, polynomial, and logarithmic; use and simplifying rational functions; graphs and equations of conic sections; expanded applications of the circular of trig functions. Emphasis will be placed on using the topics learned in solving problems. Special emphasis is given to applications of concepts in math-related fields, i.e., statistical analysis, use of matrices in Physics and Engineering.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**PREREQUISITE:** 45010010A - Advanced Algebra A **and** 45010010B - Advanced Algebra B **COREQUISITES:** If you take this course, you must also take 45050010B - Pre-Calculus B

**45050010B**  **Pre-Calculus B**

This course will include an in-depth study of functions: linear, polynomial, and logarithmic; use and simplifying rational functions; graphs and equations of conic sections; expanded applications of the circular of trig functions. Emphasis will be placed on using the topics learned in solving problems. Special emphasis is given to applications of concepts in math-related fields, i.e., statistical analysis, use of matrices in Physics and Engineering.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 45050010A - Pre-Calculus A

**45052012A AP Calculus A**

The purpose of this course is to introduce the accelerated mathematics students to college level mathematics. In this course, we will cover functions limits, derivatives and integration, as well as differential equations. We will also focus on applications of derivatives and integrals, as well as drawing 3-D graphs. Students will have the opportunity to pay for and take the AP Calculus exam at the end of the course. If passed, students will receive college credit.

**CREDIT:** 0.5 **TYPE:** AP **GRADE:** 12

**PREREQUISITES:** 45050010A - Pre-Calculus A and 45050010B - Pre-Calculus B

**45052012B AP Calculus B**

The purpose of this course is to introduce the accelerated mathematics students to college level mathematics. In this course, we will cover functions limits, derivatives and integration, as well as differential equations. We will also focus on applications of derivatives and integrals, as well as drawing 3-D graphs. Students will have the opportunity to pay for and take the AP Calculus exam at the end of the course. If passed, students will receive college credit.

**CREDIT:** 0.5 **TYPE:** AP **GRADE:** 12

**PREREQUISITES:** 45050010A - Pre-Calculus A and 45050010B - Pre-Calculus B

**45000010A**  **Consumer Mathematics (Personal and Business Math) A**

Consumer Mathematics is a math applications class designed to prepare the student for real world math issues they will confront on a daily basis as adults. A primary resource used in the class is Dave Ramsey's Financial Peace for the Next Generation and included in the class are units related to taxes, loans, property ownership, personal money management and household budgeting. There are also units surrounding math in the workplace, particularly as it relates to precision measurement and geometric calculations. This course will also reinforce basic math concepts and skills as they relate to the everyday personal use of math. Elective (final year math requirement)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 12

**COREQUISITES:** If you take this course, you must also take 45000010B - Consumer Mathematics (Personal and Business Math) B

**45000010B**  **Consumer Mathematics (Personal and Business Math) B**

Consumer Mathematics is a math applications class designed to prepare the student for real world math issues they will confront on a daily basis as adults. A primary resource used in the class is Dave Ramsey's Financial Peace for the Next Generation and included in the class are units related to taxes, loans, property ownership, personal money management and household budgeting. There are also units surrounding math in the workplace, particularly as it relates to precision measurement and geometric calculations. This course will also reinforce basic math concepts and skills as they relate to the everyday personal use of math. Elective (final year math requirement)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 12

**COREQUISITES:** If you take this course, you must also take 45000010A - Consumer Mathematics (Personal and Business Math) A

**Miscellaneous Courses**

**49500010A** **Transitions A**

Transitions is designed to help freshman students make a smoother transition into the heavier academic demands of the high school setting. **COURSE NOTE:** Placement into the class is by counselor or principal appointment.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9

**49500010B**  **Transitions B**

Transitions is designed to help freshman students make a smoother transition into the heavier academic demands of the high school setting. **COURSE NOTE:** Placement into the class is by counselor appointment.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9

**49500011A** **Transitions 2A**

Transition 2 is designed to help sophomore and junior students with the academic demands of the high school setting while encouraging students to strive for success. **COURSE NOTE:** Placement into the class is by counselor or principal appointment.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-11

**49500011B Transition 2B**

Transition 2 is designed to help sophomore and junior students with the academic demands of the high school setting while encouraging students to strive for success. **COURSE NOTE:** Placement into the class is by counselor or principal appointment.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-11

**41010010**  **Speech**

The speech course offers various styles of oral communication while students are also learning skills in listening, voice control, development of idea, and delivery. There will be experiences in formal speeches, group discussion, interpretive reading, and research speeches. Student will acquire techniques needed for senior portfolio presentation.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**490500001A**  **Online Learning A**

Students may be able to take courses through an on-line provider during the regular school day. This opportunity is available to students with situations that meet the following criteria: The course is not offered by Hanover-Horton Schools. The course is offered by Hanover-Horton Schools but is not available to the student because of a scheduling conflict beyond the student's control. The course shall not be in the area of hobby craft, recreation, physical education, theology, divinity, or religious education. Credit: High school credits granted to a student shall be counted toward the graduation and subject area requirements of the school district. Course grades will be counted towards a student's final GPA from Hanover-Horton High School. \*Note: Students that drop out of or fail a class may be responsible to reimburse the school district for the cost of the course. \*\*\*Credit: .5 per course

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**490500001B**  **Online Learning B**

Students may be able to take courses through an on-line provider during the regular school day. This opportunity is available to students with situations that meet the following criteria: The course is not offered by Hanover-Horton Schools. The course is offered by Hanover-Horton Schools but is not available to the student because of a scheduling conflict beyond the student's control. The course shall not be in the area of hobby craft, recreation, physical education, theology, divinity, or religious education. Credit: High school credits granted to a student shall be counted toward the graduation and subject area requirements of the school district. Course grades will be counted towards a student's final GPA from Hanover-Horton High School. \*Note: Students that drop out of or fail a class may be responsible to reimburse the school district for the cost of the course. \*\*\*Credit: .5 per course

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**45001300**  **SAT Prep**

A class to help students prepare for the SAT.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**49032510A**  **College A - dual enrollment**

Dual enrollment - requires permission from School Counselor and principal. See School Counselor for criteria and enrollment form. **COURSE NOTE:** Student must meet criteria and must have permission from School Counselor and Principal.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 49032510B - College B - dual enrollment

**49032510B**  **College B - dual enrollment**

Dual enrollment - requires permission from School Counselor and principal. See School Counselor for criteria and enrollment form. **COURSE NOTE:** Student must meet criteria and must have permission from School Counselor and Principal.

**COURSE NOTE:** Student must meet criteria and must have permission from School Counselor and Principal.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 49032510A - College - dual enrollment A

**49600010**  **Senior Transitions**

Senior Transitions has two functions; preparing the senior student for their next career/educational opportunity and completion of a portfolio that represents the character and ability of the student as it relates to their future career. \*\*\*Required

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 12

**Physical Education & Health**

**47000010**  **Health**

The essentials of health will be taught emphasizing individual responsibility for attaining wellness through preventative maintenance. Emotional and personal health, and the risk of drugs, alcohol, and tobacco will be emphasized. There is also a comprehensive seven-week sex education lesson. Sexually Transmitted Diseases, AIDS, HIV, and the reproductive organs are discussed.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**47000011**  **Body Systems**

In Health/Body Systems the essentials of the human body anatomical systems will be taught. Students will identify the body system's individual parts and the function/purpose of each system. Students will identify how all systems work together to meet one's personal health needs. Students will also complete research, identifying disorders that occur within each of these systems and their potential impact throughout their life. They will present their findings to the class in the form of reports, graphs or charts, and PowerPoint presentations.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**47010010A**  **Personal Fitness A**

Personal Fitness is designed for students who want to tone up, lose weight or just want to stay active. The class is based on the "5 Components of Fitness." Student will learn techniques and options in areas such as strength, speed, endurance and plyometrics that are crucial in muscular and cardiovascular health. The class is eventually centered on personal choice once the techniques and knowledge is mastered. Exercises can include weightlifting, step aerobics, jogging, exercise videos, etc. Students will also develop a personalized workout program which tracks body fat percentage, body measurements, heart rate and personal goals. (CAN BE A SEMESTER COURSE)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**47010010B**  **Personal Fitness B**

Personal Fitness is designed for students who want to tone up, lose weight or just want to stay active. The class is based on the "5 Components of Fitness." Student will learn techniques and options in areas such as strength, speed, endurance and plyometrics that are crucial in muscular and cardiovascular health. The class is eventually centered on personal choice once the techniques and knowledge is mastered. Exercises can include weightlifting, step aerobics, jogging, exercise videos, etc. Students will also develop a personalized workout program which tracks body fat percentage, body measurements, heart rate and personal goals. (CAN BE A SEMESTER COURSE)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**47015010A**  **Weight Training A**

Weight Training is designed to incorporate the ten principles of strength and conditioning. Students will learn terminology and then actively apply it. Each student is categorized based on their own situation as either a non-athlete, out of season athlete, or in season athlete. Students must dress and exercise each day of the semester.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**47015010B**  **Weight Training B**

Second semester Weight Training advances in techniques/principles from Weight Training A and incorporates goal setting, nutritional considerations, and increased intensity. During the fourth 9 weeks, students will design and implement their own strength, nutrition, and cardio program for the last six weeks. Students must dress and exercise each day of the semester.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**PREREQUISITE:** Must have taken 47015010A - Weight Training A or 47015010B - Weight Training B or be recommended by a coach, subject to Mr. Stewart’s approval.

**47014000A Advanced Weight Training A**

Advanced Weight Training is designed for the instruction and molding of tomorrow’s elite athlete. The curriculum, instruction, and guidelines are similar to Weight Training. The intensity is and must be top priority.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**47014000B Advanced Weight Training B**

Advanced Weight Training is designed for the instruction and molding of tomorrow’s elite athlete. The curriculum, instruction, and guidelines are similar to Weight Training. The intensity is and must be top priority.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**47015210A**  **Sports Training A**

Sports training is a valuable resource for those interested in the prevention and treatment of sports injuries. The class covers professional development and responsibilities of athletic trainers, pathology of injuries, along with hands-on evaluation and treatment of different forms of trauma. The focus is on joint, muscle, ligament, and tendon strains and sprains, as well as how to evaluate nutrition, body fluid intake, and overall personal health.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**47000002A**  **Physiology of Exercise and Nutrition A**

This class is designed to offer students a chance to understand the different types of exercise and daily nutrition choices, which will impact their lives for years to come. We will explore and assess cultural lifestyle benefits and consequences in regards to what we eat and our daily activity levels. We will also research various issues regarding diseases associated with a negative lifestyle and explore various organizations designed to help educate the public. The wellness policy of the school will be reinforced, making students more knowledgeable and productive members of society.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 12

**COREQUISITES:** If you take this course, you must also take 47000002B - Physiology of Exercise and Nutrition B

**47000002B**  **Physiology of Exercise and Nutrition B**

This class is designed to offer students a chance to understand the different types of exercise and daily nutrition choices, which will impact their lives for years to come. We will explore and assess cultural lifestyle benefits and consequences in regards to what we eat and our daily activity levels. We will also research various issues regarding diseases associated with a negative lifestyle and explore various organizations designed to help educate the public. The wellness policy of the school will be reinforced, making students more knowledgeable and productive members of society.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 12

**COREQUISITES:** If you take this course, you must also take 47000002A - Physiology of Exercise and Nutrition A

**Science**

**46005010A**  **Physical Science A**

This course will introduce students to the essential concepts of the physical sciences, giving them the requisite knowledge to be successful in Chemistry and Physics. Chemistry concepts covered include: the study of atoms and matter, the periodic table, basic chemical reactions, and nuclear reactions. Physics concepts covered include: motion, Newtonian physics, heat and temperature, and electricity and magnetism. Students will also study the connections and applications between science, society, culture, history, math, and technology. This course is designed to satisfy the 9th grade science requirement.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9

**46005010B**  **Physical Science B**

This course will introduce students to the essential concepts of the physical sciences, giving them the requisite knowledge to be successful in Chemistry and Physics. Chemistry concepts covered include: the study of atoms and matter, the periodic table, basic chemical reactions, and nuclear reactions. Physics concepts covered include: motion, Newtonian physics, heat and temperature, and electricity and magnetism. Students will also study the connections and applications between science, society, culture, history, math, and technology. This course is designed to satisfy the 9th grade science requirement.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9

**PREREQUISITES:** If you take this course, you must also take 46005010A - Physical Science A

**46005214A**  **Introduction to Engineering and Design A**

Introduction to Engineering and Design is a course that is considered the first course in the sequence of classes that are created to expose the student to various concepts, processes, and fields in engineering. It is the first of two foundation courses that open the opportunity for students to take additional engineering experiences at the Jackson Area Career Center. It teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using current solid modeling computer design software. 9th grade students must achieve qualifying scores on the Explore test.

**COURSE NOTE:** Freshman students must be invited and have had Algebra and/or qualifying scores on the EXPLORE test.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**PREREQUISITE:** Advanced Algebra concurrently

**COREQUISITES:** If you take this course, you must also take 45010010A - Advanced Algebra A

If you take this course, you must also take 45010010B - Advanced Algebra B

If you take this course, you must also take 46005214B - Introduction to Engineering and Design B

**46005214B**  **Introduction to Engineering and Design B**

Introduction to Engineering and Design is a course that is considered the first course in the sequence of classes that are created to expose the student to various concepts, processes, and fields in engineering. It is the first of two foundation courses that open the opportunity for students to take additional engineering experiences at the Jackson Area Career Center. It teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using current solid modeling computer design software. 9th grade students must achieve qualifying scores on the Explore test.

**COURSE NOTE:** Freshman students must be invited and have had Algebra and/or qualifying scores on the EXPLORE test.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**COREQUISITES:** If you take this course, you must also take 46005214A - Introduction to Engineering and Design A

**46015010A**  **Biology A**

This class is designed to prepare students for college biology and provide a basic understanding of biological science. This class is a prerequisite for all other science classes except Physical Science. This course will include an understanding of scientific processes and methods, microscopic analysis, biochemical organization, cellular anatomy and reproduction, basic genetics, basic ecological concepts and an introduction to botany/zoology. Laboratory investigations will be utilized when appropriate.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10

**PREREQUISITE:** 46005010A - Physical Science A **or** 46005010B - Physical Science B

**COREQUISITES:** If you take this course, you must also take 46015010B - Biology B

**46015010B**  **Biology B**

This class is designed to prepare students for college biology and provide a basic understanding of biological science. This class is a prerequisite for all other science classes except Physical Science. This course will include an understanding of scientific processes and methods, microscopic analysis, biochemical organization, cellular anatomy and reproduction, basic genetics, basic ecological concepts and an introduction to botany/zoology. Laboratory investigations will be utilized when appropriate.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10

**COREQUISITES:** If you take this course, you must also take 46015010A - Biology A

**46005020**  **Lab Science**

Students will be introduced to scientific investigation by studying classic historical experiments. They will be expected to learn basic experimental design techniques and analysis procedure. This course will allow students to explore possible career and educational pathways in the sciences. Students will then apply the scientific method to experiments in biological, earth and physical science settings. Proper use of lab equipment, lab safety and lab writing technique will be emphasized. As a final project, students will be expected to design, carry out, and analyze an experiment of their own choosing and they will be expected to conduct peer reviews of classmates' work. **COURSE NOTE:** Students must have had and passed Algebra.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**46025010A**  **Chemistry IA**

Students will learn about the physical and chemical properties of the elements through the classroom and lab. Identification of the elements and simple compounds, properties of chemicals and chemical reactions and predicting the results of chemical processes will be studied. This is an excellent class for all college prep students and essential for those thinking about medical or science related fields. The ability to utilize simple algebra is expected of students in this class.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**PREREQUISITE:** 46015010A - Biology A **or** 46015010B - Biology B

**COREQUISITES:** If you take this course, you must also take 46025010B - Chemistry IB

**46025010B**  **Chemistry IB**

Students will learn about the physical and chemical properties of the elements through the classroom and lab. Identification of the elements and simple compounds, properties of chemicals and chemical reactions and predicting the results of chemical processes will be studied. This is an excellent class for all college prep students and essential for those thinking about medical or science related fields. The ability to utilize simple algebra is expected of students in this class.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**COREQUISITES:** If you take this course, you must also take 46025010A - Chemistry IA

**48018520A**  **Principles of Engineering A**

Principles of Engineering is a course that helps students understand the field of engineering and engineering technology. Exploring various engineering technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about the social and political consequences of technological change. Qualifying students may choose to substitute this course for their Physical Science requirement; however, they must complete both Chemistry and Physics to fulfill the graduation requirement.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**PREREQUISITE:** Advanced Algebra concurrently

**COREQUISITES:** If you take this course, you must also take 45010010A - Advanced Algebra A

If you take this course, you must also take 45010010B - Advanced Algebra B

If you take this course, you must also take 48018520B - Principles of Engineering B

**48018520B**  **Principles of Engineering B**

Principles of Engineering is a course that helps students understand the field of engineering and engineering technology. Exploring various engineering technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about the social and political consequences of technological change. Qualifying students may choose to substitute this course for their Physical Science requirement; however, they must complete both Chemistry and Physics to fulfill the graduation requirement.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**COREQUISITES:** If you take this course, you must also take 48018520A - Principles of Engineering A

**46030011A**  **Chemistry Concepts A**

Students will learn about the physical and chemical properties of the elements through the classroom and lab. Identification of the elements and simple compounds, properties of chemicals and chemical reactions and predicting the results of chemical processes will be studied. This is an excellent class for all college prep students and essential for those thinking about medical or science related fields. The ability to utilize simple algebra is expected of students in this class.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 46030011B - Chemistry Concepts B

**46030011B**  **Chemistry Concepts B**

Students will learn about the physical and chemical properties of the elements through the classroom and lab. Identification of the elements and simple compounds, properties of chemicals and chemical reactions and predicting the results of chemical processes will be studied. This is an excellent class for all college prep students and essential for those thinking about medical or science related fields. The ability to utilize simple algebra is expected of students in this class.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 46030011A - Chemistry Concepts A

**46052011** **Environmental Science**

This course will be a survey of the plant and animal Kingdoms, focusing on the flora and fauna of Michigan. The class is a single semester of which the first half will deal primarily with plants, and the second with animals. Course work will include lecture, lab and field components. Fieldwork will be employed whenever practical, and students are advised that they will be going outdoors in all kinds of weather. The identification skills gained in this course will be put to practical use in Field Ecology. The course will also include study of the various lakes, rivers, marshes, fens, fields and woodlands in our school district. Some activities may take place outside of the normal school day, including some weekends. Some of the activities planned include collecting, preserving, and classifying of plants and animals. Students will be expected to create a suitable research project, collect the data, and present the results in a scientifically appropriate manner.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**PREREQUISITE:** 46015010A - Biology A **or** 46015010B - Biology B

**46050010A**  **Physics A**

An excellent course for any student intending to pursue math or science in college or as a career. Topics covered in this class include Light and Sound, Work and Energy, Universal Gravitation and Motion. The class provides an improved understanding of our natural world with application of the laws of physics to the everyday phenomena we observe around us. \*\*\*(Chemistry and Algebra II are strongly recommended)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**PREREQUISITE:** 46015010A - Biology A **or** 46015010B - Biology B

**COREQUISITES:** If you take this course, you must also take 46050010B - Physics B

**46050010B**  **Physics B**

An excellent course for any student intending to pursue math or science in college or as a career. Topics covered in this class include Light and Sound, Work and Energy, Universal Gravitation and Motion. The class provides an improved understanding of our natural world with application of the laws of physics to the everyday phenomena we observe around us. \*\*\*(Chemistry and Algebra II are strongly recommended)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 46050010A - Physics A

**46060011**  **Anatomy and Physiology**

Students will study the structure and function of the various tissues, organs and systems of the Human body. The course will concentrate on terminology, identification and bio-chemical pathways of the human organism. This course will be of interest to those students considering a health-related career as well as anyone who has an interest in biology or anatomy in general. Although many of the anatomical explorations will be via video and pictures, some dissection should be expected.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**PREREQUISITE:** 46015010A - Biology A **or** 46015010B - Biology B

**46060012**  **Microbiology**

This class will explore the various topics of microbiology, including histology, bacteriology, mycology, virology and immunology. Lectures and laboratory components will be included. Microbiological tools and techniques will be examined and utilized when available and appropriate. Bacterial growth, chemical inhibitions, anti-biotic suppression will be some of many of the concepts that the students will explore in the lab. Lab safety and appropriate procedures will be a priority.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**PREREQUISITE:** 46015010A - Biology A **or** 46015010B - Biology B

**46030010A**  **Chemistry II A**

Students will continue the study of the physical and chemical properties of the elements. This class will emphasize the mathematics of chemical procedures and will require strong math skills. Thermodynamics, chemical equilibriums, acid/base reactions, nuclear and organic chemistry will be presented.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 12

**PREREQUISITE:** 46025010A - Chemistry I A **or** 46025010B - Chemistry I B

**COREQUISITES:** If you take this course, you must also take 46030010B - Chemistry II B

**46030010B**  **Chemistry II B**

Students will continue the study of the physical and chemical properties of the elements. This class will emphasize the mathematics of chemical procedures and will require strong math skills. Thermodynamics, chemical equilibriums, acid/base reactions, nuclear and organic chemistry will be presented.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 12

**COREQUISITES:** If you take this course, you must also take 46030010A - Chemistry II A

**Social Studies**

**42005010A**  **Later American Studies (LAS) A**

This class is designed to offer a chronological history of the U.S. Eras in United States history that will be covered include the Emergence of Modern America, the Great Depression and World War II, Post-War United States, and Contemporary United States. Events will be studied based on their historical, geographical, civic, and economic perspectives. Students will also use critical thinking to question public policy and decision-making. First semester will begin with Progressives and culminate with World War II. Second semester will begin with the Cold War and end with recent history. During either first or second semester an oral interview paper or presentation will be a minimum course requirement.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9

**COREQUISITES:** If you take this course, you must also take 42005010B - Later American Studies (LAS) B

**42005010B**  **Later American Studies (LAS) B**

This class is designed to offer a chronological history of the U.S. Eras in United States history that will be covered include the Emergence of Modern America, the Great Depression and World War II, Post-War United States, and Contemporary United States. Events will be studied based on their historical, geographical, civic, and economic perspectives. Students will also use critical thinking to question public policy and decision-making. First semester will begin with Progressives and culminate with World War II. Second semester will begin with the Cold War and end with recent history. During either first or second semester an oral interview paper or presentation will be a minimum course requirement.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9

**COREQUISITES:** If you take this course, you must also take 42005010A - Later American Studies (LAS) A

**42055001**  **Michigan History**

Michigan History will revolve around what makes Michigan great, with special interest concerning its challenges over the years and today. The course will travel back to its founding, its growth as an industrial center and its evolution as it changes in the 21st century. Come and enjoy Pure Michigan.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**42000010A**  **World Studies (WS) A**

The lessons of history are as important to us today as they were to the Romans, Greeks, Chinese, Mongols, British, Babylonians and other major civilizations of all eras. Their successes and failures open a window into our own lives and decisions of our leaders. While the emphasis will be on history, geography will command its own prominence, especially when it comes to interaction with neighboring lands. Comprehension, analysis of decisions, comparison, and evolution of ideas in the areas of culture, religion, arts, conflict, and other areas will challenge the students of World Studies. During first or second semester, students will have a minimum course requirement of a research paper.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-11

**COREQUISITES:** If you take this course, you must also take 42000010B - World Studies (WS) B

**42000010B**  **World Studies (WS) B**

The lessons of history are as important to us today as they were to the Romans, Greeks, Chinese, Mongols, British, Babylonians and other major civilizations of all eras. Their successes and failures open a window into our own lives and decisions of our leaders. While the emphasis will be on history, geography will command its own prominence, especially when it comes to interaction with neighboring lands. Comprehension, analysis of decisions, comparison, and evolution of ideas in the areas of culture, religion, arts, conflict, and other areas will challenge the students of World Studies. During first or second semester, students will have a minimum course requirement of a research paper.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-11

**COREQUISITES:** If you take this course, you must also take 42000010A - World Studies (WS) A

**42000015**  **Pop Culture in the 20th Century and Beyond**

Does art imitate life or life imitate art? We will discover the possible answer to this question in our study of people from the flappers to the Disney Princesses, the Beatles to the hip shaker Elvis, and the Me Decade to Alex P. Keaton. Who are these people and why would anyone wear parachute pants will be answered in Pop Culture in the 20th Century and Beyond.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**PREREQUISITE:** 42005010A - Later American Studies (LAS) A **or** 42005010B - Later American Studies (LAS) B **or** 42005010C - Later American Studies (LAS) C

**41035013**  **Government**

The function of the Government class is to assist students in becoming more knowledgeable participants in the US political-economic system and world economy. In government we will emphasize the theoretical concepts of the Declaration of Independence, our civil rights guarantees and the structure and function of the U.S. government.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**41035014**  **Economics**

In economics the class emphasis will be on the basic economic dilemma, economic systems and market forces, and international trade. This also includes a comparison of the US economic and political structure with those around the world. Additional time is spent looking at business organizations, the stock market, investing, and consumer economic issues.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**42011010A**  **Major Wars A**

Major Wars is the study of how wars from the beginning of time have affected our lives and those of the people living during that war, positively and negatively. Major Wars will progress through influential wars, focusing on the causes, effects, battle techniques and the inter-relatedness of the wars. In order to obtain a better understanding of the various wars, the culture and events of that time period will also be studied. In addition, reactions to alternative foreign policy and results will be evaluated. Ancient civilizations along with Greece and Rome will be the focus of the first semester. Second semester will focus more on present day warfare meaning World War I and II from a European perspective. No United States history will be directly taught either semester.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 42011010B - Major Wars B

**42011010B**  **Major Wars B**

Major Wars is the study of how wars from the beginning of time have affected our lives and those of the people living during that war, positively and negatively. Major Wars will progress through influential wars, focusing on the causes, effects, battle techniques and the inter-relatedness of the wars. In order to obtain a better understanding of the various wars, the culture and events of that time period will also be studied. In addition, reactions to alternative foreign policy and results will be evaluated. Ancient civilizations along with Greece and Rome will be the focus of the first semester. Second semester will focus more on present day warfare meaning World War I and II from a European perspective. No United States history will be directly taught either semester.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 42011010A - Major Wars A

**42030011A**  **Psychology IA**

Students will study psychology to gain a better understanding of human behavior by discussing growth and development and the human brain. Students will analyze their own personality development by applying the theories of personality. They will have an understanding of personality disorders and inherited abilities by identify the roles of specific regions of the brain.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 42030011B - Psychology IB

**42030011B**  **Psychology IB**

Students will study psychology to gain a better understanding of human behavior by discussing growth and development and the human brain. Students will analyze their own personality development by applying the theories of personality. They will have an understanding of personality disorders and inherited abilities by identify the roles of specific regions of the brain.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 42030011A - Psychology IA

**42030200**  **Advanced Psychology**

Students will obtain an in-depth understanding of mental illness through research and biographical information. Symptoms, causes, and treatment will be discussed. The theoretical background of psychology will be studied along with personal background analysis. In addition, students will explore careers in the field of psychology through research, guest speakers, and hands-on labs.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**PREREQUISITE:** 42030011A - Psychology IA **or** 42030011B - Psychology IB

**42035010**  **Sociology**

Sociology is the scientific study of people in groups. Students will learn to think like sociologists, which enable them to view their own lives within a larger social contest. Studies will include different cultural values throughout the U.S. and various subculture groups helping students to recognize the diversity of society.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**42050001**  **Child Development**

Students will explore all levels of child development beginning with pre-natal care through adolescence. An analysis of the societal impact on children will be made through research and hands-on labs. Students will be expected to have contact with children outside of the classroom setting.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**Vocational**

**48030010**  **Cosmetology 1**

Apply Sophomore year, must attend screening. Styling, cuts, color, and manicures are all part of the Career Center cosmetology program. Students study body structure and science while learning the latest salon techniques. This program offers complete training and hands-on experience to take the Michigan Cosmetology licensing exam.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11

**COREQUISITES:** If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

**48000000**  **Agriscience**

Learn the basic concepts of growing plants and caring for animals. Students study plant growing techniques and identification while learning animal care, breeding, forestry, biotechnology, water testing, and conservation. Second- year students can specialize in landscape design, greenhouse management, or pre-veterinarian skills.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

**48005010**  **Construction**

From rough carpentry-framing floors and walls, siding, roofing, and masonry- to installing plumbing and electrical systems, it's all part of the foundational skills students learn here. Successful students will get the chance to work on the Career Center's latest site-house.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

**48005020**  **Engineering/PLTW**

This class prepares college bound student by immersing them in rigorous engineering problems. Successful students are academically strong, possess strong math skill, have problem-solving skills, and are self motivated.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

**48012500**  **Computer Information Technology - Programming**

Game Development (Programming)students learn basic design and general business concepts while developing games and applications for mobile devices such as iPads, iPods, smart phones, etc. Students also learn essential programming languages including C#, C++, LUA, JavaScript, etc.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

**48012510**  **Computer Information Technology - Service Tech**

Systems Technician (CompTIATechnician Academy):Mastery of PC components, functionality, compatibility,

troubleshooting and project management skills. **CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

**48012514**  **Business Administration, Management & Operations**

No description available

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**48019011 Teacher Education**

In addition to preparing students for classroom teaching, this class provides actual experience working in the Career Center's on-campus pre-school lab. Many careers involve working with children and this is a great place to explore those careers. All students will gain skills in First-Aid and CPR.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

**48032510**  **Sciences - Dental Occupations**

This class will focus on specialized training to aid the dentist during examinations and dental procedures. Students in this class will explore the dental field, including: dentistry, dental hygiene, and dental lab technician.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

**48033523**  **Health Sciences - Healthcare Technician I**

This class teaches foundational skills that include medical terminology, CPR, first aid, anatomy, physiology, vital signs, ethics, and occupational health care safety standards. Students rotate through three focused sections of healthcare: foundations, biomedical, and certified nursing assistant.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

**48035010**  **Culinary Arts**

Learn to prepare food in restaurants, and other institutions- from purchasing to cooking. Students can practice presentation skills and customer service in the Career Center's Changing Scenes restaurant. Students have the opportunity to pass the ServSafe credential.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

**48040010**  **Welding**

Technical skills in welding and fabrication are taught in this class. The most common welding and cutting techniques are studied. Student learn about metals, metalworking tools, blueprint reading, welding symbols, and numeric control processes.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

**48047510**  **Precision Machining/CAM**

Learn to design and produce all types of products using the latest CNC technology. This class works seamlessly with Engineering and Welding to simulate a production facility and get students real world skills. Creative thinking, problem solving, and math are all part of this program.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

**48055010**  **Sales and Marketing**

This class will equip students with the basics to develop a business plan, understand customer service, and explore the many ways to grow a business through advertising, public relations and marketing. The class operates a retail store and participates in DECA, a national club for marketing students.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

**48060010**  **Law Enforcement**

Students explore many aspects of criminal justice, including law enforcement, corrections, security, dispatching, fingerprinting, and reporting. Physical fitness and body strength are important elements of this class.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

**48060110**  **Firefighting/EMS**

The essential skills for firefighting-including fire behavior, protective equipment, ropes, ventilation, and first responder techniques-help students prepare for Firefighting I & II and EMT training, The skills learned here cross into many career choices.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

**48060210**  **Army JROTC Basic**

This class focuses on growing the individual student, including character development, leadership, citizenship, and physical fitness. Academics include studying American history, government, geography, and military history. Cadets who join the Golden Knight Battalion have the opportunity to explore military careers without making a military obligation.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

**48070010**  **Auto Body**

Learn the basics of collision repair, refinishing, and painting techniques to bring a car body back to life and make it shine.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

**48072510**  **Automotive Technology I**

Completing this class will prepare students for entry-level automotive technician jobs with basic information of today's cars. Several automotive certifications are available.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

**48080010**  **Visual Communications**

Students in this class rotate through three creative classes. • Design • Digital Media • Print Technology The curriculum includes illustration, typography, layout and design as well as electronic prep. Students learn to prepare pieces for production printing, including finishing, quality control and customer service.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

**48090010**  **JACC Lab**

No description available

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**48094511**  **Custodial Services**

This class prepares students for the entry-level positions in building maintenance, hotels, hospital, restaurants, and other service industries. Industry skills in commercial cleaning and laundry are covered as well as safety techniques.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**COREQUISITES:** If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

**48095010**  **JACC Employable**

No description available

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 11-12

**48030011**  **Cosmetology 2**

Styling, cuts, color, and manicures are all part of the Career Center cosmetology program. Students study body structure and science while learning the latest salon techniques. This program offers complete training and hands-on experience to take the Michigan Cosmetology licensing exam. Second year students work in the Career Center Salon.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 12

**COREQUISITES:** If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

**48033524**  **Health Sciences - Healthcare Technician II**

Healthcare Tech II (class covers Phlebotomy/EKG and/or Body Structure & Function/Medical Terminology) Second- year students develop skills in phlebotomy, EKG, body structure and function, and medical terminology. These skills provide and edge on the competition for students hoping to continue their education in the medical field.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 12

**COREQUISITES:** If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

**AUTO2**  **Automotive Technology 2**

Second year students gain more in depth information on automotive repair and advance their skills.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 12

**COREQUISITES:** If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

**World Languages**

**40020010A**  **Spanish 1A**

Students will learn a wide variety of vocabulary, expressions and sentence structure in present and future tenses through Total Physical Response Storytelling. Students will actively participate in language acquisition by learning vocabulary through gestures. Then they will listen to, act out and read stories in Spanish. Students will be able to read, write, listen and speak in Spanish and present what they have mastered in quarterly projects and skits. Students will be evaluated on their ability to read, write, listen and speak in Spanish. Latin American and Spanish culture will be experienced through music, art, and video clips. An opportunity to go on a field trip may be provided. Technology will be used for instruction and students will be expected to use it for some presentations. \*Note: Due to the nature of TPRS, it is not recommended that students begin part way through a school year, but rather at the beginning of the 1st semester. (Elective)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**COREQUISITES:** If you take this course, you must also take 40020010B - Spanish 1B

**40020010B**  **Spanish 1 B**

Students will learn a wide variety of vocabulary, expressions and sentence structure in present and future tenses through Total Physical Response Storytelling. Students will actively participate in language acquisition by learning vocabulary through gestures. Then they will listen to, act out and read stories in Spanish. Students will be able to read, write, listen and speak in Spanish and present what they have mastered in quarterly projects and skits. Students will be evaluated on their ability to read, write, listen and speak in Spanish. Latin American and Spanish culture will be experienced through music, art, and video clips. An opportunity to go on a field trip may be provided. Technology will be used for instruction and students will be expected to use it for some presentations. \*Note: Due to the nature of TPRS, it is not recommended that students begin part way through a school year, but rather at the beginning of the 1st semester. (Elective)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**COREQUISITES:** If you take this course, you must also take 40020010A - Spanish 1A

**40025010A**  **Spanish 2A**

Students will continue to learn a wide variety of vocabulary, expressions, and sentence structure in various tenses. Students will actively participate in language acquisition through role play. They will be able to more fluently listen to, speak, read, and write in Spanish as they master more concepts and vocabulary. Students will be evaluated on their abilities in each of these areas. Latin American and Spanish culture will be experienced through various media. An opportunity to go on a field trip or have an authentic language experience may be provided. Classes will increasingly be taught and directed in Spanish. Technology will be used for instruction, and students will be expected to use it for some presentations.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**PREREQUISITE:** 40020010A - Spanish 1A **and** 40020010B - Spanish 1B

**COREQUISITES:** If you take this course, you must also take 40025010B - Spanish 2B

**40025010B**  **Spanish 2B**

Students will continue to learn a wide variety of vocabulary, expressions, and sentence structure in various tenses. Students will actively participate in language acquisition through role play. They will be able to more fluently listen to, speak, read, and write in Spanish as they master more concepts and vocabulary. Students will be evaluated on their abilities in each of these areas. Latin American and Spanish culture will be experienced through various media. An opportunity to go on a field trip or have an authentic language experience may be provided. Classes will increasingly be taught and directed in Spanish. Technology will be used for instruction, and students will be expected to use it for some presentations. The goal for student proficiency at the end of this semester is to be able to converse in basic Spanish about the past, the present, and the future in a number of authentic settings, and to use this ability as a foundation for further language study.

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 9-12

**COREQUISITES:** If you take this course, you must also take 40025010A - Spanish 2A

**40030010A**  **Spanish 3A**

Students will continue to learn a wide variety of vocabulary, expressions and sentence structures that review the present, future and past tenses through Total Physical Response Storytelling. In the TPRS process, other verb tenses and idiomatic expressions will be learned. Students will also develop and teach to the class a vocabulary unit based on a career of their choice. Students will continue to learn gestures for vocabulary and be able to listen to, act out and read stories in Spanish. Students will be able to read, write, listen and speak more fluently and present more in- depth quarterly projects and skits. Students will be evaluated on their ability to read, write, listen and speak in Spanish. Students are expected to speak Spanish in class for daily routine and the class will be taught and directed almost entirely in Spanish. Latin American and Spanish culture will be experienced through music, art, and video clips. An opportunity to go on a field trip may be provided, as well as a service learning project. Technology will be used for instruction and students will be expected to use it for some presentations. The curriculum of this course will rotate each year so the material covered will be different. \*Note: Due to the nature of TPRS, it is not recommended that students begin part way through a school year, but rather at the beginning of the 1st semester. (Elective)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**PREREQUISITE:** 40025010A - Spanish 2A **or** 40025010B - Spanish 2B

**COREQUISITES:** If you take this course, you must also take 40030010B - Spanish 3B

**40030010B**  **Spanish 3B**

Students will continue to learn a wide variety of vocabulary, expressions and sentence structures that review the present, future and past tenses through Total Physical Response Storytelling. In the TPRS process, other verb tenses and idiomatic expressions will be learned. Students will also develop and teach to the class a vocabulary unit based on a career of their choice. Students will continue to learn gestures for vocabulary and be able to listen to, act out and read stories in Spanish. Students will be able to read, write, listen and speak more fluently and present more in- depth quarterly projects and skits. Students will be evaluated on their ability to read, write, listen and speak in Spanish. Students are expected to speak Spanish in class for daily routine and the class will be taught and directed almost entirely in Spanish. Latin American and Spanish culture will be experienced through music, art, and video clips. An opportunity to go on a field trip may be provided, as well as a service learning project. Technology will be used for instruction and students will be expected to use it for some presentations. The curriculum of this course will rotate each year so the material covered will be different. \*Note: Due to the nature of TPRS, it is not recommended that students begin part way through a school year, but rather at the beginning of the 1st semester. (Elective)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**COREQUISITES:** If you take this course, you must also take 40030010A - Spanish 3A

**40035010A**  **Spanish 4A**

Students will continue to learn a wide variety of vocabulary, expressions and sentence structures that review the present, future and past tenses through Total Physical Response Storytelling. In the TPRS process, other verb tenses and idiomatic expressions will be learned. Students will also develop and teach to the class a vocabulary unit based on a career of their choice. Students will continue to learn gestures for vocabulary and be able to listen to, act out and read stories in Spanish. Students will be able to read, write, listen and speak more fluently and present more in- depth quarterly projects and skits. Students will be evaluated on their ability to read, write, listen and speak in Spanish. Students are expected to speak Spanish in class for daily routine and the class will be taught and directed almost entirely in Spanish. Latin American and Spanish culture will be experienced through music, art, and video clips. An opportunity to go on a field trip may be provided, as well as a service learning project. Technology will be used for instruction and students will be expected to use it for some presentations. The curriculum of this course will rotate each year so the material covered will be different. \*Note: Due to the nature of TPRS, it is not recommended that students begin part way through a school year, but rather at the beginning of the 1st semester. (Elective)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**PREREQUISITE:** 40030010A - Spanish 3A **or** 40030010B - Spanish 3B

**COREQUISITES:** If you take this course, you must also take 40035010B - Spanish 4B

**40035010B**  **Spanish 4B**

Students will continue to learn a wide variety of vocabulary, expressions and sentence structures that review the present, future and past tenses through Total Physical Response Storytelling. In the TPRS process, other verb tenses and idiomatic expressions will be learned. Students will also develop and teach to the class a vocabulary unit based on a career of their choice. Students will continue to learn gestures for vocabulary and be able to listen to, act out and read stories in Spanish. Students will be able to read, write, listen and speak more fluently and present more in- depth quarterly projects and skits. Students will be evaluated on their ability to read, write, listen and speak in Spanish. Students are expected to speak Spanish in class for daily routine and the class will be taught and directed almost entirely in Spanish. Latin American and Spanish culture will be experienced through music, art, and video clips. An opportunity to go on a field trip may be provided, as well as a service learning project. Technology will be used for instruction and students will be expected to use it for some presentations. The curriculum of this course will rotate each year so the material covered will be different. \*Note: Due to the nature of TPRS, it is not recommended that students begin part way through a school year, but rather at the beginning of the 1st semester. (Elective)

**CREDIT:** 0.5 **TYPE:** Regular **GRADE:** 10-12

**COREQUISITES:** If you take this course, you must also take 40035010A - Spanish 4A